Amendments to the Specification:

Please amend the section entitled "BREIF DESCRIPTION OF THE FIGURES" as follows:

BRIEF DESCRIPTION OF THE FIGURES

Fig. 1 depicts a functional block diagram of the elements that can provide a working system for visualising the simulation of missile flight;

Fig. 2 depicts a functional block diagram of Missile Engagement and Analysis coverage and GEneric Missile Model elements of Fig. 1;

Fig. 3 provides a pictorial representation of the GEMM structure;

Fig. 4 pictorially represents the relationships between sub-components of GEMM;

Fig. 5 provides a pictorial representation of the MECA and GEMM virtual data bus;

Fig. 6 provides a representation of the data exchange between a missile data file, the data bus and the data manager;

Fig. 7 depicts a pictorial representation of the missile model and its interaction with portions of MECA;

Fig. 8 depicts a portion of an example missile data file;

Fig. 9 depicts a two-dimensional representation of a one-on-one air-to air missile combat simulation;

~~Table 1~~ **Fig. 10** depicts the program start-up sequence; and

~~Table 2~~ **Fig. 11** depicts selected code of a program start-up and run simulation associated with a one-on-one simulation.

Please amend the third complete paragraph on page 18 as follows:

Simulation Controls such as integration time-step period, step simulation and run simulation to scenario completion are determined by a variety of triggers such as a preset time lapse or target destruction. Simulation Results follow the simulation run/completion or in the event of an error, these results can also indicate a hit or a miss of the target. ~~Table 1~~ **Fig. 10** depicts an example of some lines of code for initiating MECA.

Please amend the first paragraph on page 29 as follows:

As shown in ~~Table 2~~ **Fig. 11**, the red missile is propagated through the class by passing the blue aircraft state as its target and the blue missile is propagated by passing the red aircraft state as its target. The scenario is advanced by a predefined time step until either of the missiles miss or hit their intended target. All of the steps are visualised and the user is thus better informed of the capabilities of the aircraft and the missiles in a combat situation.